

D₃

XP-002119014

1/1 - (C) WPI / DERWENT
 AN - 1995-287962 §36!
 AP - JP19930018854 19930205
 PR - JP19920325303 19921204; JP19920022657 19920207;
 JP19920249240 19920918
 TI - An HCV proteinase active substance - which has activity as an anti-HCV agent and can be used to screen for proteinase inhibitors
 Iw - PROTEINASE ACTIVE SUBSTANCE ACTIVE ANTI AGENT CAN SCREEN PROTEINASE INHIBIT
 PA - (KAEN-I) KAENKO K
 - (SOYAKU GIJUTSU KENKYUSHO KK
 - (SUMQ) SUMITOMO METAL IND LTD
 PN - JP7184648 A 19950725 DW199538 C12N9/50 052pp
 ORD - 1995-07-25
 IC - C07K14/16 ; C07K14/47 ; C12N1/21 ; C12N9/50 ; C12N15/09
 ; G01N33/576
 FS - CPI;EPI
 DC - F04 D16 S03
 AB - J07184648 A proteinase (I) contg. the 336 amino acid sequence (Sequence 1 in the specification) or its fragments or a proteinase (II) contg. the 916 amino acid sequence (Sequence 2 in the specification) or its fragments. Also claimed are (1) a DNA sequence contg. a DNA encoding (I) or (II); (2) a vector contg. the above DNA sequence, (3) a cell transformed by the vector of (2), (4) prepn. of the above proteinase by culturing the above transformant, (5) an assay of HCV proteinase activity by detecting the progress of the cleavage reaction of HCV using the above proteinase in which (i) purified HCV proteinase is reacted with a substrate polypeptide contg. an amino acid sequence cleaved by HCV proteinase in vitro or (ii) HCV proteinase and the substrate protein are expressed at the same time in a cell-free translation system using E.coli, an animal culture cell, an insect cell, or rabbit reticulocyte haemolytic sбрн. and reacting proteinase with the substrate in a cell or in a cell-free translation system.
 - USE - The proteinase can be used as an anti-HCV agent. It can also be used to screen compounds for their

BEST AVAILABLE COPY

ability to inhibit its proteolytic capabilities. In
this way proteinase inhibitors can be identified.
- ADVANTAGE - The proteinase can be produced in high
yield.
- (Dwg. 0/11)

BEST AVAILABLE COPY